



Status: **“Define input and output data rates for the External Wireless Network and define the management of those data rates.”**

Project Title: EWC
Presenter:
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Date: 7/15

- Work in Progress
 - EWC Network Load Projection
 - Multi-user performance interaction test completed recently, analysis in progress for traffic model
 - Hidden Node issue is being addressed by protocol requirements changes; one existing user may now require a lightly loaded network
 - Preliminary EWC Network load projection is being developed
 - EWC System expansion planning
 - US Lab Nadir coverage antennas (Orb4 launch)
 - 802.11ac COTS WAPs/clients (approved; selection in progress, inventory in 1Q16)
 - Early expansion candidates: 802.11n coverage from Node 3 location, or EHDC camera locations (unapproved)
 - Long-term expansion “100% coverage” (unapproved)
- Future Work-flow
 - EWC commitments to payloads will be managed through the EWC SPRT, which includes representation from ISS program, Operations, and Engineering
 - EWC network traffic management within capacity will require real-time coordination of payload schedules

